
Compelled Multifrequency Diagnostic (LD 54)

Multifrequency Compelled Signaling (MFC) or Multifrequency Signaling for Socotel (MFE), provides a handshaking facility between the SL-1 and the Central Office or Public Exchange (CO/PE), or between other PBXs over network/TIE trunks.

CMF messages identify software/hardware errors during call processing. Output is in the format of:

CMFxxx CMFTN TRKTN X0.... X8

Where:

- xxx is the error code number
- CMFTN is the CMF register TN in packed format
- TRKTN is the Trunk TN associated with the CMFTN in packed format
- X0 to X8 is the first nine words of the unprotected CMF block for the CMF unit used

CMF messages

CMF0001	Noisy Multifrequency Compelled (MFC) pack (hardware fault).
CMF0002	Large twist (hardware fault).
CMF0003	Three frequencies (hardware fault).
CMF0004	No inter-digit pause (hardware fault).
CMF0005	Invalid decision (hardware fault).
CMF0006	MFC pack firmware fault (hardware).
CMF0007	Undefined error (hardware fault).
CMF0008	Software timeout (software fault).
CMF0009	Not ready to send (software fault).
CMF0010	Undefined function/signal (software fault).
CMF0011	CMF table not defined (software fault).
CMF0012	Invalid backward signal (BWD) received. Call cleared down (software fault).
CMF0013	Invalid forward signal (FWD) received. Call cleared down (software fault).
CMF0014	Warning: L1 sequence terminated at Level 1 (software fault).
CMF0015	Invalid trunk type is attempting MFC signaling (software fault).
CMF0023	Warning: trying to send signal not defined in the CMF signal table.
	Action: CMIN ALL will clear all monitor alarms.